

CHIDIEBERE NWACHUKWU

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Technical Skills

Languages: Python, JavaScript, C++, HTML/CSS, SQL, TypeScript, Bash
Frameworks: Express, Flask, Django, Dialogflow, Pandas, Scikit-Learn
Databases: MySQL, PostgreSQL, MongoDB, Amazon DynamoDB
Cloud: AWS, GCP, Heroku
Other: Travis, Kubernetes, Docker, Data Structures and Algorithms, Excel, Powerpoint

Education

University of Lagos

Bachelor of Science in Computer Engineering

August 2022

Lagos, Nigeria

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Computer Organization
- Systems Programming
- Software Development
- Machine Learning
- Computer Architecture

Experience

Softcom Limited

Software Engineer Intern

June 2021 – November 2021

Lagos, Nigeria

- Collaborated with a team of engineers using an Agile/Scrum approach to maintain software applications.
- Employed best software practices (SOLID, KISS, DRY) to resolve bug issues in REST API implemented with node.js and express using a domain driven design architecture.

Compucode Limited

Backend Engineer

March 2020 – December 2020

Lagos, Nigeria

- Coded python scripts to automate mapping and packaging of databases, which improved operation speed by over 100%.
- Developed and administered a web application using Python Flask to efficiently process the storing and printing of authorized manager's cheques for customers in a commercial bank, and hosted it on their private Linux server.
- Implemented an AI chatbot using Dialogflow and a webhook in Flask to improve customer experience, automatically schedule appointments, and display company products on the website.

Projects

Udagram Microservice | *TypeScript, Travis, Kubernetes, Amazon EKS*

September 2021

- Developed a cloud application using TypeScript and Express, that allowed users to create an account, login, post photos to the feed and process photos.
- Created multiple versions of docker containers for the application and hosted them on the docker hub registry
- Setup continuous integration pipeline using Travis to automatically build and push the images to docker hub on commit to GitHub.
- Separated application features into micro-services, then deployed on multiple clusters and setup auto-scaling using kubernetes and Amazon EKS.

Expend App | *Python, Django, Prophet, PostgreSQL*

June 2021

- Created a REST API using python and django to predict user expenditure based on their transaction history.
- Implemented the web back-end using django rest framework and postgres database to store user records.
- Utilized Facebook's prophet to create time series model to predict user expenditure.

Leadership / Extracurricular

Google Developer Student Club

Lead

August 2021 – Present

University of Lagos

- Organize and facilitate events to introduce students in non-tech discipline fields to software development and programming with python, mentoring over 100 students.
- Lead a team of club executives to effectively manage club activities and engage club over 900 club members.
- Lead ML Facilitator, introducing AI, Machine Learning, and Deep Learning with TensorFlow using Google Explore ML curriculum to students and club members.